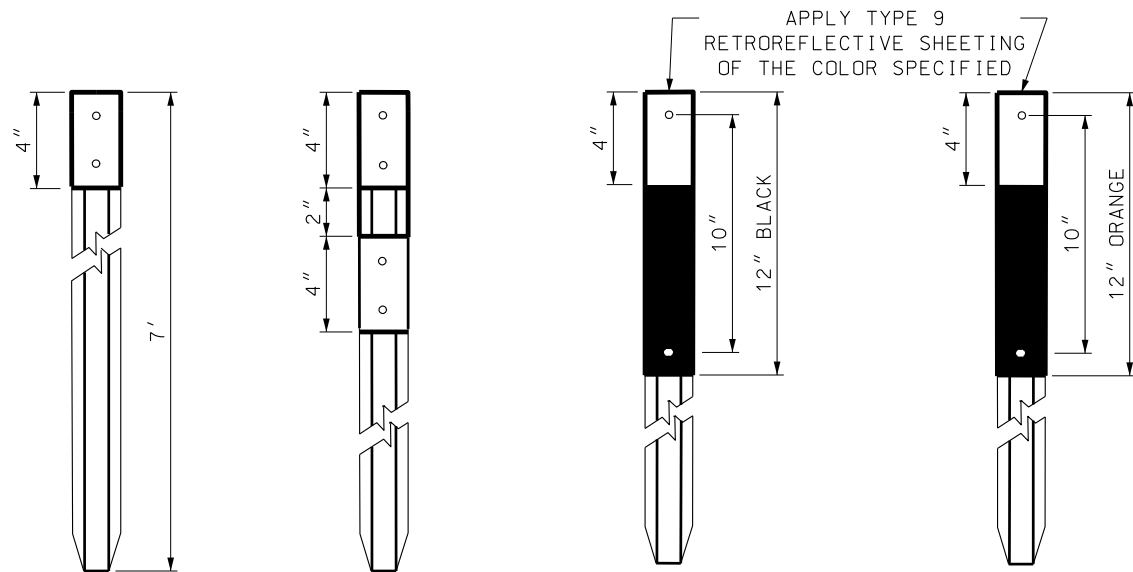


18-DEC-2007 DGN File: L:\Standard Drawings\Imperial\2008\Approved\General Road Work (GW)\GW09.dgn



TYPE I
SINGLE UNIT

(OF COLOR SPECIFIED)

SEE NOTE 1

TYPE II
DOUBLE UNIT

SEE NOTE 1

**CULVERT
MARKER**

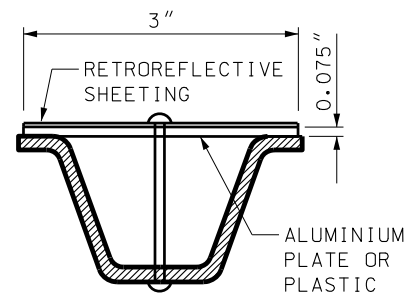
SEE NOTE 2

**MAINTENANCE
MARKER**

SEE NOTE 2

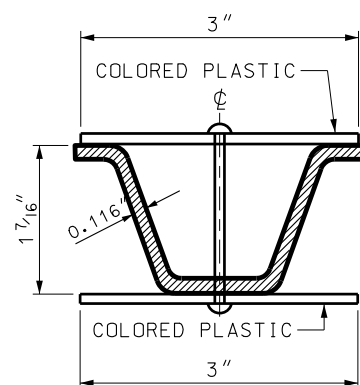
NOTES:

1. USE GALVANIZED STEEL POSTS FABRICATED WITH $\frac{5}{16}$ " HOLES ON 1" SPACING. PUNCH HOLES ON THE CENTERLINE OF THE POST. PLACE TOP HOLE 1" FROM THE TOP OF POST. PUNCH HOLES THE FULL LENGTH OF THE POST.
2. ATTACH 3" X 12" X $\frac{1}{10}$ " COLORED PLASTIC OF THE COLOR SPECIFIED ON CULVERT AND MAINTENANCE MARKERS. USE BLACK ABOVE ORANGE WHEN BOTH MARKERS (MAINTENANCE AND CULVERT) ARE REQUIRED ON ONE DELINEATOR.
3. MOUNT BARRIER REFLECTORS ON CONCRETE AND BRIDGE PARAPETS WITH TWO $\frac{1}{4}$ " X $\frac{1}{4}$ " METAL HIT ANCHORS.
4. MOUNT BARRIER REFLECTORS ON CONCRETE BARRIER AS SHOWN ON STD DWG BA 1B.
5. MOUNT STRAIGHT REFLECTORS ON WOOD POSTS WITH TWO $2\frac{1}{2}$ " ELECTRO GALVANIZED RING SHANK NAILS WITH NEOPRENE WASHERS.
6. MOUNT STRAIGHT REFLECTORS ON STEEL POSTS WITH TWO $\frac{1}{4}$ " X $\frac{3}{4}$ " BOLTS AND SELF LOCKING NUTS.
7. MOUNT BARRIER REFLECTORS ON GUARDRAIL POSTS AS SHOWN ON STD DWG BA 4A.
8. INSTALL DELINEATOR PLATE ON THE SIDE OF THE POST FACING TRAFFIC. PREFERRED ORIENTATION OF POST TO ONCOMING TRAFFIC IS AS SHOWN. HOWEVER, EXISTING POST WITH THE OPPOSITE ORIENTATION IS ACCEPTABLE. INSTALL ON OPEN FACE SIDE WITH TWO $\frac{1}{4}$ " DIAMETER EXPANSION RIVETS (GRIP RANGE $1\frac{3}{8}$ " TO $1\frac{5}{8}$ "). INSTALL ON OPPOSITE SIDE WITH TWO $\frac{1}{4}$ " POP RIVETS WITH BACKING WASHERS.
9. REFER TO STD DWG ST 2 FOR FREEWAY CROSSOVER DELINEATION MARKINGS AND HARDWARE.



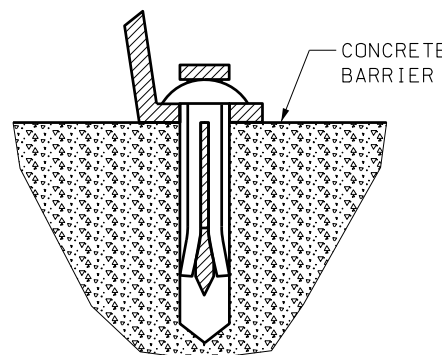
**DELINEATOR
INSTALLATION**

SEE NOTE 8



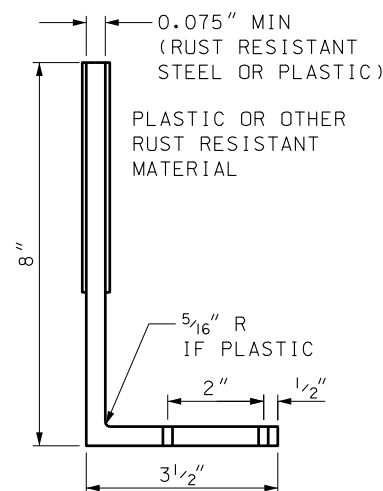
**CULVERT/MAINTENANCE
MARKER INSTALLATION**

FOR 2 LB/FT POST WITH COLORED
PLASTIC ATTACHED. SEE NOTE 2



METAL HIT ANCHORS

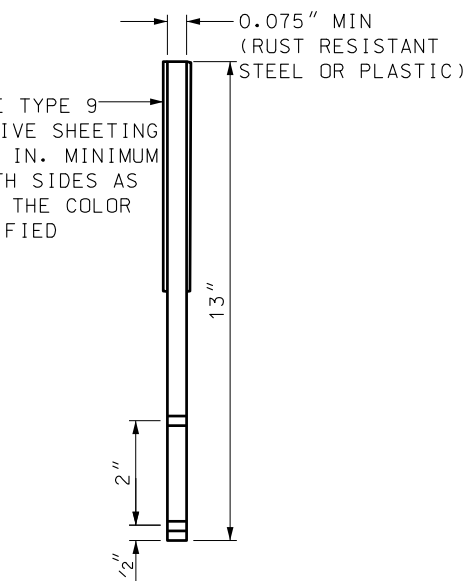
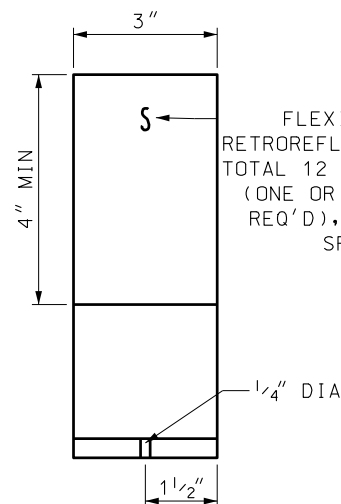
SEE NOTE 3



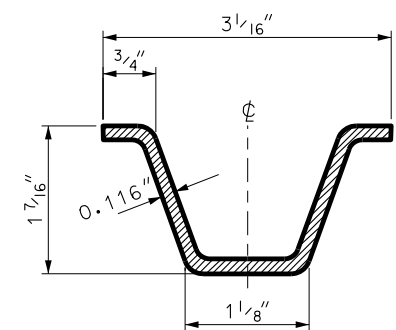
'L' REFLECTOR

BARRIER REFLECTORS

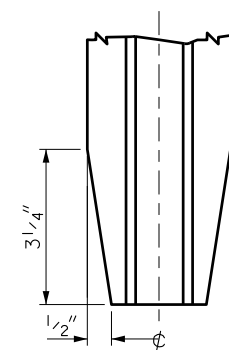
SEE NOTES 3, 4, 5, 6, 7



STRAIGHT REFLECTOR



**CROSS SECTION
FOR 2 LB/FT POST**



POST TAPER DETAIL

DELINEATOR PLATE
SEE NOTE 8

REVISIONS

UTAH DEPARTMENT OF TRANSPORTATION
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION

RECOMMENDED FOR APPROVAL
JAN.01.2008
CHAIRMAN STANDARDS COMMITTEE
APPROVED
JAN.01.2008
DEPUTY DIRECTOR

**DELINEATION
HARDWARE**

STD DWG
GW 9

STANDARD DRAWING TITLE

REMARKS